

## Claims

- [1] A composition for coating organic electrode comprising: 3% to 20% by weight of a polyhydric alcohol, a polyol or a mixture thereof; 5% to 10% by weight of a primary alcohol having C1 to C5; 5% to 25% by weight of an amide, a sulfoxide or a mixed solvent thereof; 0.01% to 0.1% by weight of a surfactant and aqueous solution of polyethylenedioxythiophene(PEDOT) conductive polymers having nano- sized particle in a remainder; and wherein a concentration of polyethylenedioxythiophene(PEDOT) and polystyrenesulfonate(PSS) solid in the aqueous solution is 1.0% to 1.5% by weight of based on the total weight of solution, wherein a visible ray transmittance of organic conductive layer is more than 90% in case of coating, wherein a sheet resistance of layer is 300 to 900 $\Omega$ /sq.
- [2] The composition of claim 1, wherein said polyhydric alcohol, the polyol or the mixture thereof is at least one of alcohols selected from the group consisting of ethyleneglycol, propyleneglycol, butanediol, neopentylglycol, diethyleneglycol, triethyleneglycol, methylpentanediol, hexanediol, trimethylolpropane, glycerine, ethylhexanediol, hexanetriol, polyethyleneglycol, polypropyleneglycol, polyoxypropylenetriol, polytetramethyleneglycol, sorbitol, and thereof a derivative.
- [3] The composition of claim 2, wherein said molecular weight of polyhydric alcohol or polyol is less than 300.
- [4] The composition of claim 1, wherein said amide solution is at least one of solvents selected from the group consisting of a formamide, N-methylformamide, N, N-dimethylformamide, acetamide, N-methylacetamide, N,N-dimethylacetamide, N-methylpropionamide, pyrrolidone, N-methylpyrrolidone, caprolactam and a tetramethylurea, and wherein said sulfoxide solvent is at least one of solvents selected from the group consisting of a methylsulfoxide, dimethylsulfoxide, sulfolane and a dimethylsulfone.
- [5] The composition of claim 1, wherein said surfactant is at least one of surfactants selected from the group consisting of a nonionic surfactant, anionic surfactant, cationic surfactant and a neutral surfactant, and a HLB(hydrophilic-lipophilic balance) is within 7 to 20.
- [6] The composition of claim 1, wherein said composition includes 0.01% to 0.05% by weight of a compound, containing a sulfonic acid as a dopant.
- [7] The composition of claim 6, wherein said dopant is at least one of compounds selected from the group consisting of a polystyrenesulfonic acid, p-toluenesulfonic acid, dodecylbenzenesulfonic acid, anthraquinonesulfonic acid, 4-hydroxybenzenesulfonic acid, methylsulfonic acid and a nitrobenzenesulfonic

acid.

- [8] A method of manufacturing organic electrode having excellent transparency comprising steps of: stirring said composition of claim 1; spreading out said composition on a transparent substrate; drying up the substrate; and coating 0.2 to 2.0  $\mu$ m by thickness of coating layer.
- [9] A method of manufacturing organic electrode having excellent transparency comprising steps of: stirring said composition of claim 1; repeatedly dispersing said composition 2 to 10times per 3 to 10minutes with a ultra sonicator controlled by 20,000 to 40,000  $\text{Hz}$  of frequency, 50 to 700W of power; spreading out said dispersed solution on a transparent substrate; drying up the substrate; and coating 0.2 to 20  $\mu$ m by thickness of coating layer.